



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111186

Mode: Highway

Status: Submitted

US-21

From/Cross Street: SR 2136 (Gilead Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: Holly Point Drive

Project Category: Regional Impact

Length: 2.21

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$19,558,000

Description:

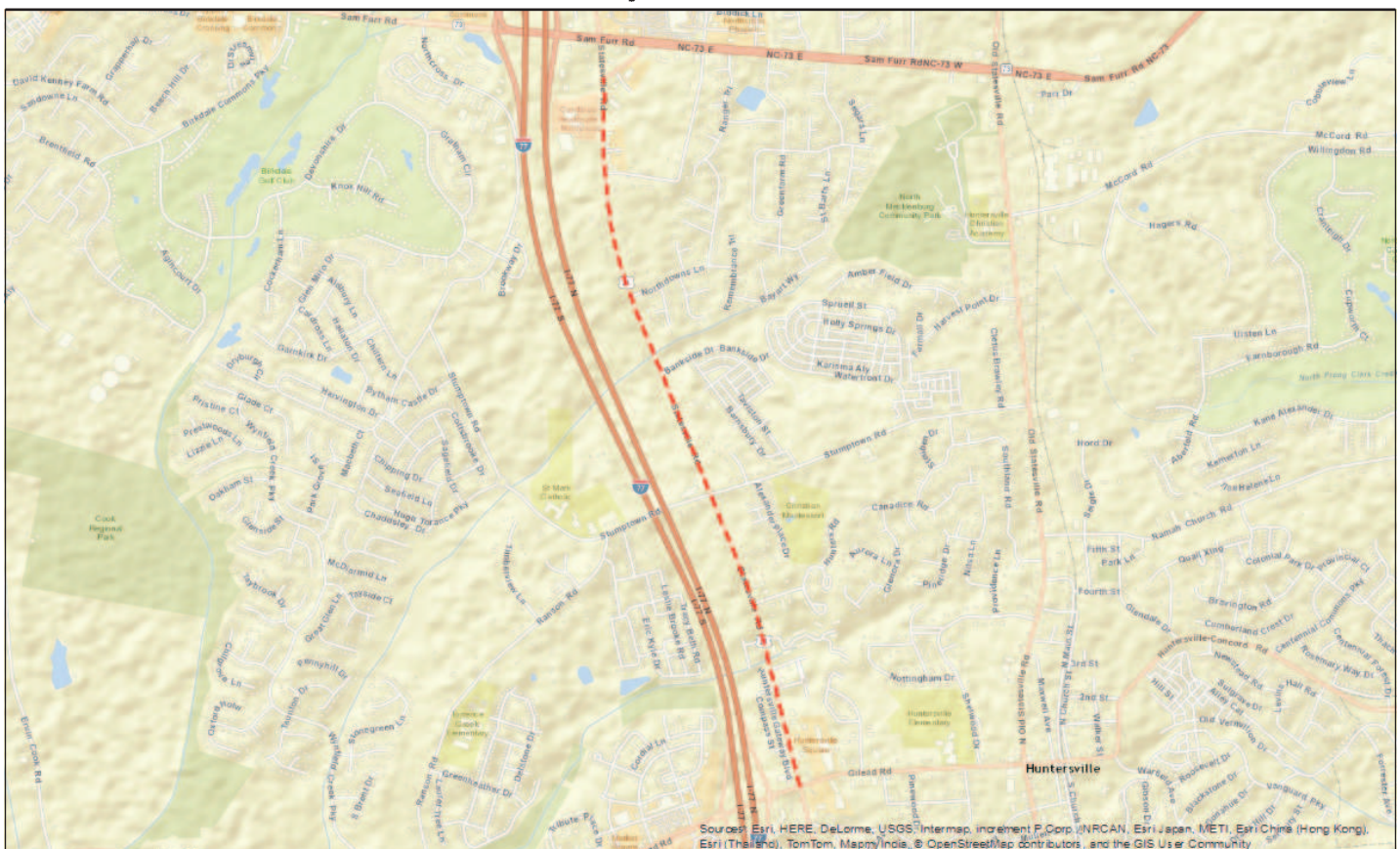
Widen to 4 Lanes with Median, Bike Lanes and Sidewalk

Division(s): Division 10

County(s): MECKLENBURG

MPOS(s)/RPO(s): Charlotte Regional Transportation Planning Organization

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 55.27

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 66.14	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 71.24		
[Travel Time] Benefit/Cost (25%) 1.94		
Accessibility / Connectivity (10%) 11.25		
Totals: Weight: 70% Weighted Score: 25.27		

Division Needs Total Score: 20.74

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 1.94	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 71.24		
Congestion (V/C) (20%) 66.14		
Totals: Weight: 50% Weighted Score: 20.74		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	2.21
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	15756.48
Capacity:	15800
Volume/Capacity Ratio:	1
% Autos:	95%
% Trucks:	5%
Truck Volume:	816.76
Crash Density:	77.32
Crash Severity:	74.03
Critical Crash Rate:	62.38
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	95
Actual Congested Speed:	29.83
Travel Time Index:	1.84

Project Benefits

Project Cross-Section:	4D - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, Bike Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	2.21
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 10

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 10	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Charlotte Regional Transportation Planning Organization	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$16,530,000	TIP Unit
Right-of-Way Cost:	\$2,704,000	Cost Estimation Tool
Utilities Cost:	\$324,000	Cost Estimation Tool
Total Project Cost:	\$19,558,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$19,558,000	